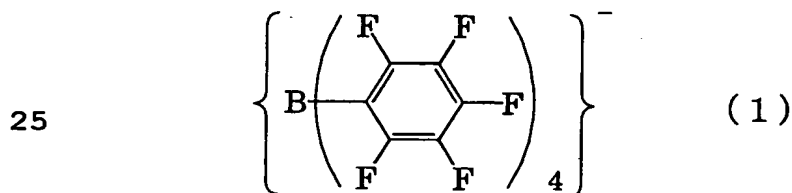


## CLAIMS

1. An adhesive for sealing an organic electroluminescence device,  
 5 which comprises a photo cationic polymerizable adhesive containing a photo cationic polymerizable compound and a photo cationic polymerization initiator and, initiating a curing reaction by light irradiation and proceeding the curing reaction by a dark reaction even  
 10 after interrupting the light irradiation.

2. The adhesive for sealing an organic electroluminescence device according to claim 1,  
 wherein the photo cationic polymerizable compound is  
 15 an aromatic epoxy resin.

3. The adhesive for sealing an organic electroluminescence device according to claim 1 or 2,  
 wherein the photo cationic polymerization initiator  
 20 is a salt containing boronic acid expressed by the following formula (1);



as a counter ion.

30 4. The adhesive for sealing an organic electroluminescence device according to claim 1, 2 or 3,  
 wherein the photo cationic polymerization initiator is a reaction product of a compound containing at least one hydroxyl group in a molecule and producing an acid by light  
 35 irradiation and a compound containing two or more

functional group being reactive with a hydroxyl group in a molecule.

5           5. The adhesive for sealing an organic  
electroluminescence device according to claim 1, 2 or 3,  
          wherein the photo cationic polymerization initiator  
is a reaction product of a compound containing two or more  
hydroxyl groups in a molecule and producing an acid by  
light irradiation and, carboxylic anhydride or dicarboxylic  
10   acid.

          6. The adhesive for sealing an organic  
electroluminescence device according to claim 1, 2, 3, 4 or  
5,  
15           wherein the photo cationic polymerizable adhesive  
contains an aliphatic hydrocarbon having a hydroxyl group  
and/or a polyether compound.

          7. The adhesive for sealing an organic  
20   electroluminescence device according to claim 1, 2, 3, 4, 5  
or 6,  
          wherein the photo cationic polymerizable adhesive  
contains a filler.

25           8. The adhesive for sealing an organic  
electroluminescence device according to claim 1, 2, 3, 4, 5,  
6 or 7,  
          wherein the photo cationic polymerizable adhesive  
contains an alkaline filler being reactive with acid and/or  
30   an ion-exchange resin adsorbing an acid.

          9. The adhesive for sealing an organic  
electroluminescence device according to claim 1, 2, 3, 4, 5,  
6, 7 or 8,  
35           wherein the photo cationic polymerizable adhesive

contains a drying agent.

10. A method of sealing an organic  
electroluminescence device using the adhesive for sealing  
5 an organic electroluminescence device according to claim 1,  
2, 3, 4, 5, 6, 7, 8 or 9,

wherein after irradiating light to said adhesive for  
sealing an organic electroluminescence device, the device  
is sealed by filling the space between a sealing plate and  
10 a thin film structure with said adhesive for sealing an  
organic electroluminescence device before said adhesive for  
sealing an organic electroluminescence device is cured.

11. A method of sealing an organic  
15 electroluminescence device using the adhesive for sealing  
an organic electroluminescence device according to claim 1,  
2, 3, 4, 5, 6, 7, 8 or 9,

wherein after irradiating light to said adhesive for  
sealing an organic electroluminescence device, the device  
20 is sealed by applying said adhesive for sealing an organic  
electroluminescence device so as to seal the periphery of  
the thin film structure and bonding the sealing plate to  
the applied adhesive before said adhesive for sealing an  
organic electroluminescence device is cured.

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12. An adhesive tape for sealing an organic  
electroluminescence device,

which has a moisture-proof tape and an adhesive layer  
comprising the adhesive for sealing an organic  
30 electroluminescence device according to claim 1, 2, 3, 4, 5,  
6, 7, 8 or 9, formed on at least one side of said moisture-  
proof tape.

13. The adhesive tape for sealing an organic  
35 electroluminescence device according to claim 12,

wherein the adhesive layer has the water vapor transmission rate, measure by a dish method based on JIS Z 0208 under the conditions of 60°C and 90% relative humidity (RH), of 30 g/(m<sup>2</sup>•24h)/100 μm or less.

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14. The adhesive tape for sealing an organic electroluminescence device according to claim 12 or 13, which has a drying agent in sheet form in the adhesive layer.

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15. A method of sealing an organic electroluminescence device using the adhesive tape for sealing an organic electroluminescence device according to claim 12, 13 or 14,

15

wherein after irradiating light to the adhesive layer of said adhesive tape for sealing an organic electroluminescence device, the device is sealed by bonding the adhesive tape onto the thin film structure before the adhesive layer is cured.

20

16. A double-faced adhesive tape for sealing an organic electroluminescence device,

which has an adhesive layer comprising the adhesive for sealing an organic electroluminescence device according to claim 1, 2, 3, 4, 5, 6, 7, 8 or 9 and separators formed on both sides of said adhesive layer.

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17. The double-faced adhesive tape for sealing an organic electroluminescence device according to claim 16,

30

wherein the adhesive layer has the water vapor transmission rate, measure by a dish method based on JIS Z 0208 under the conditions of 60°C and 90% relative humidity (RH), of 30 g/(m<sup>2</sup>•24h)/100 μm or less.

35

18. A method of sealing an organic

electroluminescence device using the double-faced adhesive tape for sealing an organic electroluminescence device according to claim 16 or 17,

5 wherein after peeling off one separator of said double-faced adhesive tape for sealing an organic electroluminescence device and irradiating light to the adhesive layer on the side on which said separator has been peeled off, the device is sealed by bonding said double-faced adhesive tape for sealing an organic  
10 electroluminescence device so as to seal the periphery of the thin film structure and peeling off the other separator of said double-faced adhesive tape for sealing an organic electroluminescence device and further coating said adhesive layer with a sealing plate before said adhesive  
15 layer is cured.

19. An organic electroluminescence device,  
which is sealed by using the adhesive for sealing an organic electroluminescence device according to claim 1, 2,  
20 3, 4, 5, 6, 7, 8 or 9, the adhesive tape for sealing an organic electroluminescence device according to claim 12, 13 or 14, or the double-faced adhesive tape for sealing an organic electroluminescence device according to claim 16 or 17.

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